

C1 (c) generating a second image associated with a second phase of the physiological cycle from image data from multiple selected ones of the frames of (a) associated with the second phase of the physiological cycle; and ~~and the~~

(d) displaying at least the first and second images in sequence to a user

32. An ultrasonic imaging system comprising:

(a) means for acquiring image data for a plurality of frames, each frame identified with a respective phase of a physiological cycle;

C2 (b) means for generating a first image associated with a first phase of the physiological cycle from image data from multiple selected ones of the frames of (a) associated with the first phase of the physiological cycle;

(c) means for generating a second image associated with a second phase of the physiological cycle from image data from multiple selected ones of the frames of (a) associated with the second phase of the physiological cycle; and

(d) means for displaying at least the first and second images in sequence to a user.

The attached Appendix includes copies of amended Claims 24 and 32, using square brackets to show deleted words and underlining to show added words.

Remarks

Applicant appreciates the willingness of Examiner Choobin to discuss the outstanding rejection in a telephone interview held May 3, 2001. Applicant has attached a paper entitled AGENDA FOR TELEPHONE INTERVIEW, and this paper includes a summary of the substance of the interview.

As discussed at the interview, the preferred embodiment described in conjunction with the drawings acquires multiple frames of image data, and identifies each frame with a particular phase of a physiological cycle such as the heart cycle. Then multiple images are generated from the acquired frames, and each image is a composite image in the sense that it is generated from image data from multiple frames. Each of these multiple images is associated with a respective phase angle, and it is generated from